

.....

```
CCCCCCCC  EEEEEEEEE  NN      NN  TTTTTTTTTT  XX      XX  TTTTTTTTTT
CCCCCCCC  EEEEEEEEE  NN      NN  TTTTTTTTTT  XX      XX  TTTTTTTTTT
CC         EE         NN      NN  TT          XX      XX  TT          TT
CC         EE         NN      NN  TT          XX      XX  TT          TT
CC         EE         NNNN     NN  TT          XX      XX  TT          TT
CC         EE         NNNN     NN  TT          XX      XX  TT          TT
CC         EEEEEEEEE  NN      NN  TT          XX      XX  TT          TT
CC         EEEEEEEEE  NN      NN  TT          XX      XX  TT          TT
CC         EE         NN      NN  TT          XX      XX  TT          TT
CC         EE         NN      NN  TT          XX      XX  TT          TT
CC         EE         NN      NN  TT          XX      XX  TT          TT
CCCCCCCC  EEEEEEEEE  NN      NN  TT          XX      XX  TT          TT
CCCCCCCC  EEEEEEEEE  NN      NN  TT          XX      XX  TT          TT

LL         IIIIIII  SSSSSSSS
LL         IIIIIII  SSSSSSSS
LL         II       SS
LL         II       SS
LL         II       SS
LL         II       SS
LL         II       SSSSSS
LL         II       SSSSSS
LL         II       SS
LL         II       SS
LL         II       SS
LL         II       SS
LLLLLLLLLL IIIIIII  SSSSSSSS
LLLLLLLLLL IIIIIII  SSSSSSSS
```

```
0001 0 MODULE CENTXT (
0002 0 IDENT = 'V04-000'!
P 0003 0 %BLISS32[
P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
0005 0 ]
0006 0 ) =
0007 1 BEGIN
0008 1
0009 1 *****
0010 1 *
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0028 1 *
0029 1 *
0030 1 *****
0031 1
0032 1 ++
0033 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
0034 1
0035 1 ABSTRACT: Centers and outputs a single line of text.
0036 1
0037 1
0038 1 ENVIRONMENT: Transportable
0039 1
0040 1 AUTHOR: R.W.Friday CREATION DATE: December, 1978
0041 1
```


CENTXT
V04-000

Revision History

C 14
15-Sep-1984 23:55:58
14-Sep-1984 13:05:39

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CENTXT.BLI;1

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: 43
: 44
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0042 1 XSBTTL 'Revision History'
0043 1
0044 1 MODIFIED BY:
0045 1
0046 1
0047 1 002 KFA00002 Ken Alden 07-Mar-1983
0048 1 Global edit of all modules. Updated module names, idents,
0049 1 copyright dates. Changed require files to BLISS library.
0050 1 --

CLP
V04

Module Level Declarations

```
.. 53      0051 1 %SBTTL 'Module Level Declarations'
.. 54      0052 1
.. 55      0053 1
.. 56      0054 1 : TABLE OF CONTENTS:
.. 57      0055 1 :
.. 58      0056 1 :
.. 59      0057 1 : INCLUDE FILES:
.. 60      0058 1 :
.. 61      0059 1 :
.. 62      0060 1 LIBRARY 'NXPORT:XPORT';           ! XPORT Library
.. 63      0061 1 REQUIRE 'REQ:RNODEF';           ! RUNOFF variant definitions
.. 64      0192 1
.. 65      U 0193 1 %IF DSRPLUS %THEN
.. 66      U 0194 1 LIBRARY 'REQ:DPLLIB';           ! DSRPLUS BLISS Library
.. 67      0195 1 %ELSE
.. 68      0196 1 LIBRARY 'REQ:DSRLIB';           ! DSR BLISS Library
.. 69      0197 1 %FI
.. 70      0198 1
.. 71      0199 1 :
.. 72      0200 1 : MACROS:
.. 73      0201 1 :
.. 74      0202 1 :
.. 75      0203 1 : EQUATED SYMBOLS:
.. 76      0204 1 :
.. 77      0205 1 :
.. 78      0206 1 EXTERNAL LITERAL
.. 79      0207 1     RINTES : UNSIGNED (8);
.. 80      0208 1
.. 81      0209 1 :
.. 82      0210 1 : OWN STORAGE:
.. 83      0211 1 :
.. 84      0212 1 :
.. 85      0213 1 : EXTERNAL REFERENCES:
.. 86      0214 1 :
.. 87      0215 1 :
.. 88      0216 1 EXTERNAL
.. 89      0217 1     IRA,
.. 90      0218 1     KHAR,
.. 91      0219 1     SCA : SCA_DEFINITION,
.. 92      0220 1     TSF : TSF_DEFINITION;
.. 93      0221 1
.. 94      0222 1 EXTERNAL ROUTINE
.. 95      0223 1     ENDCHR,
.. 96      0224 1     OUTNJ,
.. 97      0225 1     RSKIPS;
.. 98      0226 1
```

```
100 0227 1 GLOBAL ROUTINE CENTXT (TEXT_PTR, TEXT_LENGTH) =
101 0228 1
102 0229 1 ++
103 0230 1 FUNCTIONAL DESCRIPTION:
104 0231 1
105 0232 1     Beginning with the current position on the current record,
106 0233 1     CENTXT skips tabs and spaces until it encounters something
107 0234 1     else. If that "something else" is the end-of-record
108 0235 1     indicator (';' or RINTES), it outputs the text supplied.
109 0236 1     If the "something else" is not the end-of-record indicator,
110 0237 1     no text is output.
111 0238 1
112 0239 1 FORMAL PARAMETERS:
113 0240 1
114 0241 1     TEXT_PTR is a CH$PTR to the text to be centered and output.
115 0242 1     TEXT_LENGTH is the length of the text.
116 0243 1
117 0244 1 IMPLICIT INPUTS:      None
118 0245 1
119 0246 1 IMPLICIT OUTPUTS:     None
120 0247 1
121 0248 1 ROUTINE VALUE:
122 0249 1 COMPLETION CODES:
123 0250 1
124 0251 1     Returns TRUE if the text was centered and output (i.e.,
125 0252 1     end-of-record was found), otherwise FALSE.
126 0253 1
127 0254 1 SIDE EFFECTS: None
128 0255 1
129 0256 1 --
130 0257 1
131 0258 2 BEGIN
132 0259 2 LOCAL
133 0260 2     PTR;
134 0261 2
135 0262 2     !Determine if text was given on the current record.
136 0263 2     RSKIPS (IRA);                               !Skip spaces and tabs.
137 0264 2
138 0265 2     IF .KHAR EQL RINTES                               !
139 0266 2     OR .KHAR EQL 'XC';'
140 0267 2 THEN
141 0268 2     !No text on the record. Output the specified text, centered.
142 0269 2     BEGIN
143 0270 2     PTR = .TEXT_PTR;
144 0271 2
145 0272 2     INCR I FROM 1 TO .TEXT_LENGTH DO
146 0273 2     ENDCHR (CH$RCHAR_A (PTR));
147 0274 2
148 0275 2     !Normally, the text will fit between the margins, since
149 0276 2     !this is not "user" text. However, just to be certain,
150 0277 2     !if it can't be centered, leave it far to the left.
151 0278 2     TSF ADJUST = MAX ((.SCA_RM - .SCA_LM - .TEXT_LENGTH)/2, 0);
152 0279 2     !Output the line containing the centered text.
153 0280 2     OUTNJ ();
154 0281 2     RETURN TRUE;
155 0282 2     END
156 0283 2 ELSE
```



```
: 157      0284 2      RETURN FALSE
: 158      0285 2
: 159      0286 1      END;
```

!End of CENTXT

```
.TITLE  CENTXT
.IDENT  \V04-000\

.EXTRN  RINTES, IRA, KHAR
.EXTRN  SCA, TSF, ENDCHR
.EXTRN  OUTNJ, RSKIPS

.PSECT  $CODE$,NOWRT,2
```

			001C 00000	.ENTRY CENTXT, Save R2,R3,R4	: 0227
	54	00000000G	EF 9E 00002	MOVAB KHAR, R4	
		00000000G	EF 9F 00009	PUSHAB IRA	: 0263
		00000000G	01 FB 0000F	CALLS #1, RSKIPS	
			64 D1 00016	CMPL KHAR, #RINTES	: 0265
			05 13 0001D	BEQL 1\$	
	3B		64 D1 0001F	CMPL KHAR, #59	: 0266
			44 12 00022	BNEQ 5\$	
	53	04	AC D0 00024 1\$:	MOVL TEXT_PTR, PTR	: 0270
			52 D4 00028	CLRL 1	: 0272
			0A 11 0002A	BRB 3\$	
			83 9A 0002C 2\$:	MOVZBL (PTR)+, -(SP)	: 0273
			01 FB 0002F	CALLS #1, ENDCHR	
			AC F3 00036 3\$:	AOBLEQ TEXT_LENGTH, 1, 2\$	
			EF D0 0003B	MOVL TSF, R1	
F1	00000000G	08	FF C3 00042	SUBL3 @SCA+116, @SCA+120, R0	: 0278
50	00000000G	08	AC C2 0004E	SUBL2 TEXT_LENGTH, R0	
			02 C6 00052	DIVL2 #2, R0	
			02 18 00055	BGEQ 4\$	
			50 D4 00057	CLRL R0	
	28	A1	50 D0 00059 4\$:	MOVL R0, 40(R1)	
	00000000G	EF	00 FB 0005D	CALLS #0, OUTNJ	: 0280
		50	01 D0 00064	MOVL #1, R0	: 0284
			04 00067	RET	
			50 D4 00068 5\$:	CLRL R0	
			04 0006A	RET	: 0286

; Routine Size: 107 bytes, Routine Base: \$CODE\$ + 0000

```
: 160      0287 1
: 161      0288 1 END
: 162      0289 0 ELUDOM
```

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
------	-------	------------

CENTXT
V04-000

Module Level Declarations

6 14
15-Sep-1984 23:55:58
14-Sep-1984 13:05:39

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]CENTXT.BLI;1

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: \$CODE\$ 107 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1
_\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	9	0	86	00:00.3

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:CENTXT/OBJ=OBJ\$:CENTXT MSRC\$:CENTXT/UPDATE=(ENH\$:CENTXT)

: Size: 107 code + 0 data bytes
: Run Time: 00:03.3
: Elapsed Time: 00:08.7
: Lines/CPU Min: 5222
: Lexemes/CPU-Min: 8566
: Memory Used: 33 pages
: Compilation Complete

0337 AH-BT13A-SE
VAX/VMS V4.0

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